FRONT MOUNT TELESCOPIC HOIST

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CHAMPION
HOIST AND EQUIPMENT

200 CHAMPION DRIVE
P.O. BOX 1147
DUNN, N.C. 28334

Phone#   (800) -649-4995
Phone#   (910) -897-4995
fax#      (910) -897-6822

When calling, specify (parts) - (service) - (sales)

have the following information on hand for

faster service: body model # & serial #
hoist model # & serial #
year, make, type of truck.

this information is provided as indicated
Operations and Service Manual

Do not operate this equipment without fully reading and understanding this manual.

Do not allow unauthorized personnel to operate this equipment.

Do not go underneath a loaded raised bed under ANY circumstances.

Do not go underneath an unloaded raised bed unless the safety props are properly positioned.

Do not go underneath a truck with engine running.

Do not allow controls and area around them to become cluttered with tools, cans, etc.
Do not use hands or other body parts to check for hydraulic leaks.
Do not leave truck unattended with bed raised.
Do not allow personnel to ride in or on the bed.
Do not load the equipment beyond the GVW rating of the vehicle or the hoist rating.
Do not operate the hoist on an unlevel or soft surface.
Do not operate the hoist UNDER POWER LINES!!

Do not raise the hoist when vehicle is in motion.

Do not move a vehicle with a raised hoist.
Be sure to........

* Follow all Federal, State, Local regulations pertaining to this equipment.
* Keep unit properly maintained and serviced.
* Understand and follow all safety decals and keep them in good condition.
* Check hydraulic oil level weekly.
  * For PTO driven pumps use HD 32 hydraulic oil.
  * For electric driven pumps use ATF, automatic transmission fluid.
* Add correct hydraulic oil to reservoir as needed.
* Use EP-3 grease for all grease fittings.
* Lubricate hoist and rear hinge assembly every 90 to 180 days depending on usage.
* Check all bolts, welds, electrical connections frequently.

When calling for Parts/Service Be Sure To Have....

Flatbed: model number  
serial number  

Serial Plate Location

Hoist: model number  
serial number  

Serial Plate Location
To Operate Hoist:

(1) Engage PTO per PTO operation instructions.

(2) The pump/hoist control should be in the neutral or “hold” position.

(3) For a manual control - pull to raise, push to lower.
   NOTE: Manual push/pull controls require a 1/2 inch mounting hole.

(4) When bed raises to desired height, push the pump/hoist controls to the center neutral or “hold” position. This will stop bed movement up or down.

(5) To lower bed - push pump/hoist control.

(6) Disengage PTO.
FRONT MOUNT TELESCOPIC INSTALLATION INSTRUCTIONS

STEP #1 LOCATE AND MARK CENTERLINE LOCATION OF REAR HINGE. SEE MP50101.

STEP #2 AFTER MARKING CENTERLINE OF REAR HINGE, REMOVE EXCESS CHASSIS AS SHOWN IN DETAIL "C" ON MP50101.

STEP #3 AFTER REMOVING EXCESS CHASSIS, NOTCH THE CHASSIS AND WELD REAR HINGE TO CHASSIS TO DIMENSIONS SHOWN IN DETAIL "C" WITH 1/2" CONTINUOUS WELDS-BOTH CHASSIS RAILS.

STEP #4 REFER TO MP50101, AND PLACE LOWER BUNK ONTO MOUNTING BRACKETS RESTING ON THE CHASSIS AT THE APPROPRIATE LOCATION.

STEP #5 AFTER PLACING LOWER BUNK ON CHASSIS, WELD LOWER BUNK MOUNTING BRACKETS TO LOWER BUNK. SEE MP50101 DETAIL "B".

STEP #6 AFTER BRACKETS ARE SECURELY WELDED TO LOWER BUNK, DRILL 1/2" DIA. (4) HOLES THRU MOUNTING BRACKETS AND CHASSIS AS SHOWN ON MP50101 DETAIL "B", AND INSTALL HARDWARE, ON BOTH CHASSIS RAILS.

STEP #7 MOUNT HYDRAULIC PUMP TO PTO. BEFORE MOUNTING, CHECK ROTATION OF PUMP. IF PUMP ROTATION HAS TO BE CHANGED, SEE MP50078.

STEP #8 PLUMB HYDRAULICS PER CORRECT DIAGRAM PD40036.

STEP #9 AFTER HYDRAULIC CONNECTIONS ARE COMPLETED, INSTALL CABLE ASSEMBLY IN CAB OF TRUCK.

STEP #10 FILL RESERVOIR FULL OF HYDRAULIC OIL.

STEP #11 POSITION BODY OVER TRUCK, EXTEND CYLINDER ROD TO BODY LIFT POINT. LOWER BODY TO CHASSIS, ADJUST THE POSITION OF THE BODY ALONG THE CHASSIS SO FRONT OF BODY IS FLUSH WITH THE FRONT OF THE LOWER BUNK SUBFRAME.

STEP #12 SET SPACER BLOCKS ON TOP OF CHASSIS IN SUCH A WAY THAT THEY WILL NOT INTERFERE WITH THE LOWER BUNK & RESERVOIR TANK. NOTE: THE SPACER BLOCKS WILL BE WELDED TO BODY MAIN RUNNERS. DO NOT WELD TO MAIN RUNNERS UNTIL UPPER BUNK CONNECTION IS COMPLETELY INSTALLED!! SEE MP50101, DETAIL "C" ITEM 6.
GODWIN MANUFACTURING
FRONT MOUNT TELESCOPIC
INSTALLATION INSTRUCTIONS

STEP #13  NOW THAT THE UPPER BUNK IS SECURELY ATTACHED TO THE BODY,
WELD THE REAR HINGE FLIPPERS TO THE BODY MAIN RUNNERS AS
INDICATED ON MP50101.

STEP #14  WELD SPACER BLOCKS ON BODY MAIN RUNNERS.

STEP #15  INSTALL SAFETY PROPS & PROP CUPS IN SUCH A MANNER THAT
THE PROP IS ANGLED SLIGHTLY TO THE REAR.

STEP #16  RAISE BODY WITH HOIST POWER ABOUT THREE FEET,
MAKING SURE THAT THE RESERVOIR IS FULL OF OIL,
UNTIL THE CYLINDER IS FULLY EXTENDED AND SAFETY PROPS
ARE IN PLACE!! OPEN THE BLEEDER VALVE ON THE CYLINDER
AND PURGE AIR OUT OF CYLINDER UNTIL A STEADY STREAM
OF OIL EXPELS. CLOSE VALVE AND LOWER BODY BACK TO CHASSIS
AND REPEAT SEVERAL TIMES.

NOTE: AFTER BLEEDER VALVE IS OPENED, THE BODY WILL DROP
SLOWLY UNTIL REACHING HYDRAULIC OIL.

NOTE: NEVER WORK ON A RAISED EMPTY BODY WITHOUT
SAFETY PROPS IN PLACE!!

STEP #17  INSPECT ALL WELDS AND CHECK ALL HARDWARE/PLUMBING
CONNECTIONS FOR LOOSENESS &/OR LEAKS. REPAIR AS NECESSARY.

STEP #18  INSTALL BODY STOP CABLE ON PUMP USING A 1/8" CABLE CLAMP &
TIGHTEN SECURELY. WELD STOP BLOCK SECURELY TO THE LAST
BODY CROSS SILL AS SHOWN ON MP50090. ELEVATE BODY TO THE
ELEVATE BODY TO THE DESIRED HEIGHT, TYPICALLY 4-6 INCHES LESS
THAN FULL STROKE OF CYLINDER WITH VALVE IN NEUTRL POSITION.
PULL CABLE THRU STOP BLOCK AND TIGHTEN SET SCREW.
RAISE BODY & TEST STOP CABLE ASSY. TO ENSURE IT IS WORKING
PROPERLY.

THE STOP CABLE IS A SAFETY DEVICE USED TO LIMIT BODY DUMP
ANGLE AND TO PREVENT CYLINDER FROM OVER EXTENDING.

STEP #19  GREASE ALL PIVOT POINTS AND GREASE FITTINGS.
### Detail "A"

Walking Beam Tandem Axle

- Center line of rear hinge to end of chassis 2 3/4
- Rear hinge location = body length - 12"
- 12 overhang

### Detail "B"

Shackle Type Suspension

- Weld lower bunk to mounting brackets only!!
- 3/4" size welds full length
- Rear hinge location = body length - 12"
- 12 overhang

### Detail "C"

- 1/2" continuous weld on body only!!
- Drill thru mounting brackets & chassis and tighten securely. (4) 1/2" holes each side
- Locate rear hinge behind rear shackle

### Front Mount Telescopic Hoist Installation Dimensions

<table>
<thead>
<tr>
<th>Body Length</th>
<th>Model</th>
<th>Cab to Axle/Tandem</th>
<th>Hoist</th>
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<td>400T</td>
<td>102'-108&quot; CA</td>
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<tr>
<td>13'</td>
<td>400T</td>
<td>102&quot; CT</td>
<td>63108T</td>
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<tr>
<td>14'</td>
<td>400T</td>
<td>108&quot; CT</td>
<td>63120T</td>
</tr>
<tr>
<td>15'</td>
<td>500TR</td>
<td>120'-126&quot; CT</td>
<td>63120T/73120T</td>
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<tr>
<td>16'</td>
<td>500TR</td>
<td>132'-138&quot; CT</td>
<td>74135T</td>
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<tr>
<td>17'</td>
<td>500TR</td>
<td>144'-150&quot; CT</td>
<td>74135T</td>
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<tr>
<td>18'</td>
<td>500TR</td>
<td>162'-168&quot; CT</td>
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**NOTE:** Hoist recommendations are based on Godwin Mfg. Body Applications.

*REVISED 2/16/2012*

**TELESCOPIC HOIST INSTALLATION**

**Champion Hoist and Equipment**

**MP50101**
INSTRUCTIONS TO REVERSE C102 PUMP ROTATION

STEP #1 SECURELY MOUNT PUMP FLANGE IN VISE SHAFT DOWN!

STEP #2 REMOVE (4) HEX BOLTS, WASHERS.

STEP #3 LIFT OFF VALVE AND CENTER SECTION OF PUMP LEAVING FRONT COVER AND GEARS IN PLACE, AND ROTATE 180°.

STEP #4 LOWER CENTER SECTION AND VALVE ONTO FRONT COVER AND GEARS BEING CAREFUL NOT TO DISTURB POCKET SEALS IN TRUST PLATES. (IF NEEDED GLUE IN WITH CHASSIS GREASE).

STEP #5 REINSTALL BOLTS AND WASHERS AND EVENLY TORQUE ASSEMBLY BOLTS TO 200 FOOT LBS.

** SUCTION PORT

* CYLINDER PORT
C102 PUMP

BODY UP

1-1/4" HOSE CLAMP

1-1/4" BARBED ADAPTER

NOTE: CLOCKWISE ROTATION SHOWN

RESERVOIR

Suction Tank

1-1/4" CLOSE NIPPLE

1-1/4" PIPE PLUG

1-1/4" BALL VALVE

1-1/4" HOSE CLAMP

1-1/4" BARBED ADAPTER

90° SWIVEL ADAPTER

HYDRAULIC CYLINDER

HYDRAULIC PLUMB DIAGRAM

PD40036
### Parts List

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<th>QTY</th>
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